

Test	Purpose	Input	Expected Output	Pass
1	Program startup	java TUIStart	Text: "Welcome to the ABC Company Employee System" Should show the Main Menu and 9 options. Text: "Number of employees in system: 0"	
2	List all employees	4	Title: "List of All Employees" Should show an empty table. Text: "Number of employees in system: 0" Should display main menu.	
3	Add employee	1	Title: "Add Employee" Question: "Enter name:"	
		John	Question: "Enter gender (m/f):"	
		m	Question: "Enter age in years:"	
		23	Question: "Number of jobs assigned:"	
		4	Text: "Employee ID is 101" Should display menu.	
4	List all employees	4	Should show 1 employee in the system and the employee details Should display main menu.	
5	Modify employee	3	Title: "Modify Employee" Question: "Enter Employee ID:"	
		20	Error: "Invalid ID" Shows menu again.	
		3	Title: "Modify Employee" Question: "Enter Employee ID:"	
		101	Question: "Enter name:"	
		Jim	Question: "Enter gender (m/f):"	
		m	Question: "Enter age in years:"	
		24	Question: "Number of jobs assigned:"	

Test	Purpose	Input	Expected Output	Pass
6	List all employees	5	Question: "Are you sure you want to modify this record? (Y/n)?"	
		y	Text: "Record modified" Should display main menu.	
		4	Should show 1 employee in the system and the modified employee details. Text: "Number of employees in system: 1" Should display main menu.	
7	Delete employee	2	Title: "Delete Employee" Question: "Enter Employee ID:"	
		20	Error: "Could not find employee 20" Should display menu screen.	
		2	Title: "Delete Employee" Question: "Enter Employee ID:"	
8	List all employees	101	Should display employee details for Jim. Question: "Are you sure you want to delete this record? (y/N)"	
		y	Text: "Employee 101 has been deleted." Should display main menu.	
		4	Should show that there are zero employees in the system. Text: "Number of employees in system: 0" Should display main menu.	
9	Add multiple employees	1	Title: "Add Employee" Questions for name, gender, age and duties.	
		Mary, f, 35, 10	Text: "Employee ID is 102"	
		1	Title: "Add Employee" Questions for name, gender, age and duties.	
		Sam, m, 20, 0	Text: "Employee ID is 103"	
		1	Title: "Add Employee" Questions for name, gender, age and duties.	

Test	Purpose	Input	Expected Output	Pass
10	View single employee details	Mike, m, 25, 5	Text: "Employee ID is 104"	
		5	Title: "Details for a Single Employee" Question: "Enter ID:"	
		20	Text: "Could not find an employee with that ID." Question: "Would you like to view another employee? (Y/n):"	
		y	Title: "Details for a Single Employee" Question: "Enter ID:"	
		103	Should print details for the employee of Sam. Question: "Would you like to view another employee? (Y/n):"	
11	List employees in age group	n	Should display main menu	
		6	Title: "Employees in Age Group" Question: "Minimum age:"	
		24	Question: "Maximum age:"	
		36	Should show the ID, Name and Age of two employees Mary and Mike. Text: "There are 2 employee(s) in the age range of 24 to 36." Should display main menu.	
12	Show employee with most jobs	7	Title: "Employee with Most Jobs Assigned" Should print details for Mary. Should display main menu.	
13	List employees with no jobs	8	Title: "Employees with No Jobs Assigned" Should print the details for Sam. Text: "There are 1 employee(s) with no jobs assigned." Should display main menu.	
14	Exit program	9	Title: "Exit" Text: "Number of employee records written to employees.txt file: 3" Text: "Thank you for using the ABC Company Employee System"	
15	Program should read from save file	java TUIStart	Text: "Number of employees in system: 3" Should display menu	

Test	Purpose	Input	Expected Output	Pass
	Should list all employees	4	Title: "List of All Employees" Should print the details of all the employees in the system. Text: "Number of employees in system: 3" Should display main menu.	